



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/807,687	04/16/2001	Knuth Albertsen	PHD 99.105US	2360

7590

04/18/2002

Philips Electronics North America Corporation  
580 White Plains Road  
Tarrytown, NY 10591

EXAMINER

HA, NGUYEN T

ART UNIT

PAPER NUMBER

2831

DATE MAILED: 04/18/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/807,687

Applicant(s)

Aachen et al

Examiner

Nguyen Ha

Art Unit

2831



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on Feb 1, 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☒ All b) ☐ Some\* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_
- 18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

Art Unit: 2831

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments filed on 2/01/2002 have been fully considered but they are not persuasive.

With respect to claims 1,7,11 and 12 the applicant makes the following arguments:

- a) Hansen et al does not disclosed the dielectric which comprises a composite consisting of a dielectric ceramic material and an organic polymer.
- b) Hirai et al does not disclosed the dielectric filter comprises a dielectric ceramic material and an organic polymer.

With respect to a), Hansen et al disclosed the dielectric comprises a composite of dielectric ceramic material (column 3 lines 47-50) and an organic polymer (column 4 lines 26-31).

With respect to b), Hirai et al disclosed a dielectric ceramic material (column 8 lines 3-11) and an organic polymer (column 8 lines 20-22).

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

Art Unit: 2831

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Hansen et al (5,889,647).

Regarding claim 1, Hansen et al discloses an electronic component shown in figure 1 with a dielectric (1) and at least one electrode (2) characterized in that the dielectric comprises a composite consisting of a dielectric ceramic material (column 3 line 32) and an organic polymer (column 4 lines 25-26).

Regarding claims 2-3, Hansen et al discloses an electronic component wherein the organic polymer comprises a polyethylene (column 4 line 32). It is inherently to known that the polyethelene organic is insolubel in water.

Regarding claim 4, Hansen et al discloses an electronic component wherein the dielectric ceramic material has a low temperature coefficient (column 2 lines 24-30).

Regarding claim 5, Hansen et al discloses an electronic component wherein the electrodes comprises Ag, Au, Cu, (column 4 lines 2-4).

Regarding claim 6, Hansen et al discloses an electronic component wherein the electronic component is chosen from the group comprising capacitor (column 3 lines 29-40)..

Regarding claims 7-10, a method of manufacturing an electronic component are necessitated by the device structure as it is disclosed by Hansen et al with a dielectric (1) and at

Art Unit: 2831

least two electrodes (2), which method is characterized in that the dielectric ceramic material and a monomer of a polymer are mixed together, the mass obtained is formed, the monomer is partly or completely polymerized and the electrodes are provided.

Regarding claim 11, Hansen et al discloses a dielectric ceramic component characterized in that it comprises a composite of a dielectric ceramic material and an organic polymer (column 4 lines 9-16).

4. Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Hirai et al (5,448,209).

Regarding claim 12, Hirai et al discloses a dielectric filter with an electronic component which comprises a dielectric (10) and at least two electrodes (20,24), characterized in that the dielectric comprises a composite of a dielectric ceramic material (column 8 lines 3-11) and an organic polymer (column 8 lines 20-22).

#### **Citation of Relevant Prior Art**

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Hansen (6,078,494) discloses a capacitor including a ceramic dielectric ceramic composition.

#### **Conclusion**

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Art Unit: 2831

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen Ha whose telephone number is (703)-308-6023 Monday to Friday from 8:30 to 6:00PM.

Any attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard , can be reached on (703) 308-3682. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3431.

Any inquiry of a general nature or relating to the status of this application should be directed to the group receptionist whose telephone number is (703) 308-0956.

NH

04/09/2002

  
DEAN A. REICHARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800